

REDUCED COMPLEXITY COMPUTER SYSTEM ARCHITECTURE

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ABSTRACT OF THE DISCLOSURE

10 An architecture for a computer system that has lower complexity than
prior computer system architectures. In one embodiment the functionality that in
prior computer system architectures resides in a central processing unit (CPU) is
split between a CPU and a program control unit. This allows the CPU to have
lower complexity and can permit the computer system to have greater flexibility
and lower cost. In another embodiment the computer system contains a memory
mapping unit. The memory mapping unit enables the computer system to use one
of a plurality of peripherals without changing the instruction codes of the CPU
15 thus increasing the flexibility of the computer system.

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